

## Diltiazem HCL- Isolation of Impurities, Transfer from Analytical to Prep Columns

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Waters Corporation

This is an Application Brief and does not contain a detailed Experimental section.

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### Abstract

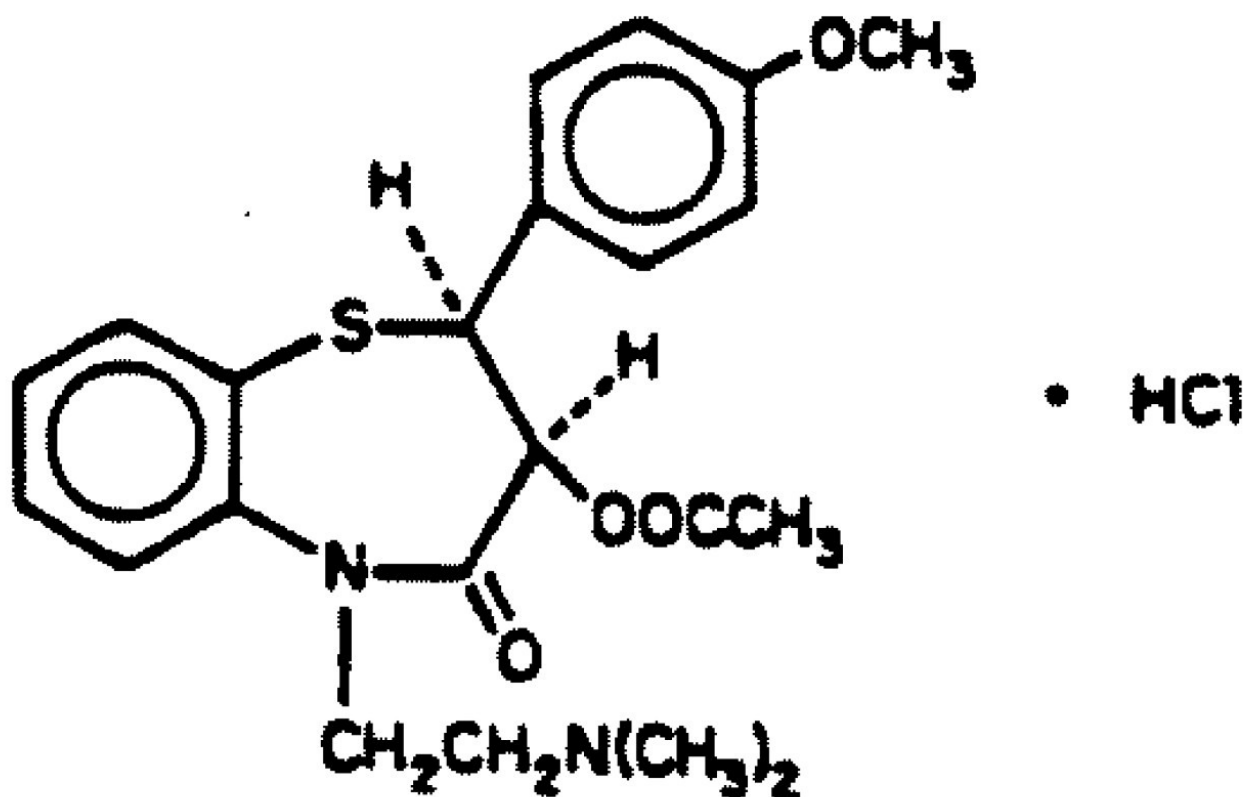
This application brief demonstrates the analysis of Diltiazem HCL impurities using Symmetry Columns.

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### Introduction

The compound analyzed in this study is diltiazem HCL.

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# 1. Diltiazem Hydrochloride

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Experimental

HPLC Method

Column:

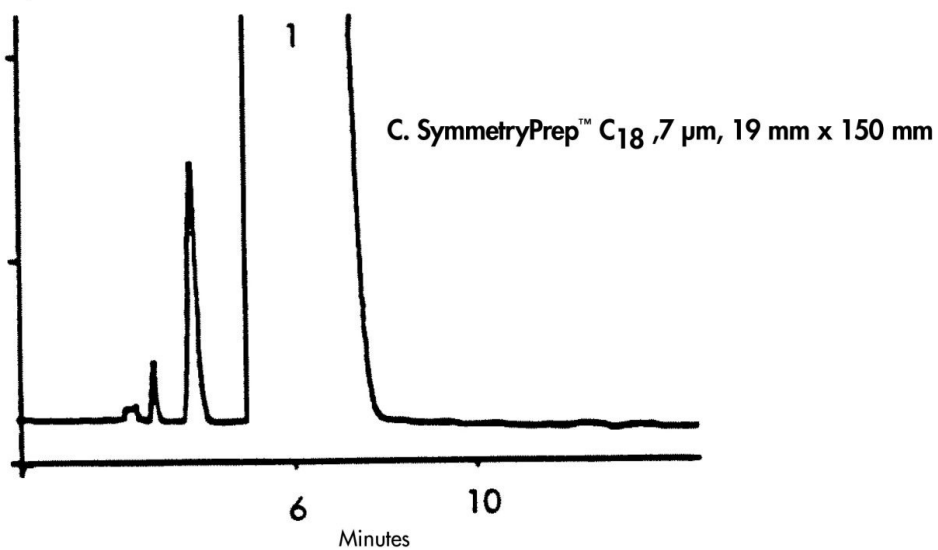
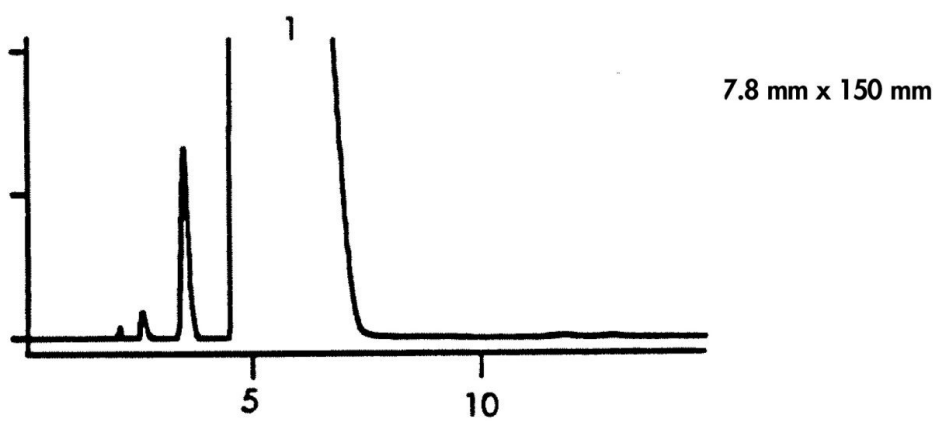
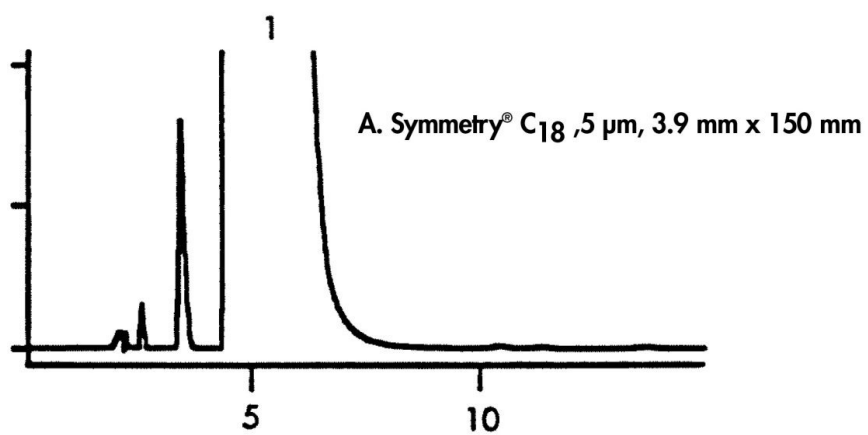
A. Symmetry C<sub>18</sub>, 3.9 x 150 mm, 5 μm

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	B. Symmetry Prep C <sub>18</sub> , 7.8 x 150 mm, 7 µm
	C. Symmetry Prep C <sub>18</sub> , 19 x 150 mm, 7 µm
Part numbers:	A. WAT046980
	B. WAT066288
	C. WAT066240
Mobile phase:	Acetonitrile/0.1% TFA in water 30:70
Flow rates:	A. 0.7 mL/min B. 2.8 mL/min C. 16.6 mL/min
Injection volume:	Diltiazem: A. 0.5 mg B. 2.0 mg C. 11.9 mg
Detection:	UV @ 280 nm

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## Results and Discussion



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## Featured Products

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